ENVIRONMENTAL SERVICE LABORATORIES, INC.

SAMPLE REQUEST & CHAIN OF CUSTODY

OF	
	OF

1803 Philadelphia St. PHONE (724) 463-TEST Indiana, PA 15701 FAX (724) 465-4209

Sample Type	
Sample Identification ESL# Composite Grab Matrix # of Bottles Container Type Analysis Requ	rested
Date on/off Time on/off Date Time Preservative	
Morn's Ray Shaff 3/485 /0/27/09 /100 Water 2 Plastic Liter Lab pH, Specific Grav	
Water 1 Plastic Pint HNO3 ICP Metals (Na, Fe, Mg, M	n, Ba), Hardness
Water 1 Amber Glass 250mL H3PO4 Total Organic C	arbon
	=/6 80 W
FIELD Dissolved Oxygen:	10.3 mg/ HA
Hydrogen Sulfide: O.	.03 Mg/L
THE UNDERSIGNED PURCHASER HEREBY AGREES TO PAY SERVICE CHARGES ON ACCOUNTS OVER 31 DAYS OLD. 1. THESE SERVICE CHARGES WILL ACCRUE AT THE RATE OF 1 1/2% PER MONTH (18% PER ANNUM OR THE MAXIMUM ALLOWED BY LAW.) 2. THE UNDERSIGNED PURCHASER AGREES TO PAY, IN THE EVENT HIS ACCOUNT BECOMES DELINQUENT AND IS TURNED OVER TO ANY	
ATTORNEY FOR COLLECTION, REASONABLE ATTORNEY'S FEES PLUS ALL COURT AND ATTENDANT COLLECTION COSTS.	
10/27/49 1/00 Company/Name: Moody & Associa	
Sample 9 By: (Simplified Date), Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Tyme Date Date	2, Suite 101
Relinguished by Signature) Date/ Time Received/By: (Signature) / Date/ Time Houston, PA 15342	
10-28-09 1345 MM 10/28/09 1345 Contact Person: Ms. Heather Freeman	
Relinquished By: (Signature) Date/ Time Date/ Time Date/ Time Mr. Bill Wright	
	ell)
Selfinquished By: (Signature)	enj



Report of Analysis

ame:

Moody & Associates, Inc. (Houston Office)

Foxpointe Centre Building 2, Suite 101

199 Johnson Road

Houston, PA 15342

ample Start Date: eccipt Date:

10/27/2009 11:00 AM 10/29/2009 9:54 AM

eport Date:

11/17/2009

Sample ID#:

09 31485 Water

Sample Type: Sample Source:

Grab

Sampler:

CLIENT (Client)

Client Sample ID: Morris Run Shaft

Analyte	Analyst	Analysis Date	Sample Result	Units	Method	RPL	
Hydrogen Sulfide	Client	10/27/2009	0.0	mg/l	Draiger Tube	0.2	
Chloride	ZTR	11/11/2009	3632.2	mg/l	SM4500CIC	1.0	
pH (SM)	LL	10/29/2009	7.49	SU	SM 4500H-B	0.01	
Barium - ICP	DRM	11/15/2009	5.570	mg/l	200.7/6010	0.050	
Hardness	GJT	11/04/2009	509	mg/l	SM2340B	5	
Iron - ICP	GJT	11/04/2009	61.486	mg/l	200.7/6010	0.010	
Magnesium-ICP	GJT	11/04/2009	44.163	mg/l	200.7/6010	0.500	
Manganese - ICP	DRM	11/15/2009	0.580	mg/l	200.7/6010	0.050	
Sodium - ICP	GJT	11/04/2009	1956.400	mg/l	200.7/6010	50.000	
% Saturation	Client	10/27/2009	50.3	%	Field	0.00	
Specific Gravity	CLM	11/03/2009	0.9896	none	SM2710F	0.0000	
Total Organic Carbon	JH	10/30/2009	10.00	mg/l	SM5310C	5.00	
pH- Field ,	Client	10/27/2009	7.46	SU	SM 4500B-B	0	
Specific Conductance	LL	10/29/2009	9790	uS/cm	SM 2510B	ı	
Total Dissolved Solids (TDS)	ALD	10/30/2009	5112	mg/l	SM2540C	25	

<u>numents:</u> Sample centrifuged prior to TOC analysis. JH 11/3/09 D.O. analyzed as % Saturation by client (MJM 11/17/09)

ND=Not Detected

Note:

DEP Certification #s 32-00382

ıta Qualifiers:

D = The reported value is from dilution.

E ≈ Estimated value.

S = Surrogate out of control limits.

R = Sample received out of holding time. H = Sample analyzed out of holding time. C = Sample received in incorrect container,

B = Analyte was detected in both sample and methods blank. X = User defined data qualifier.

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199 Johnson Road Building #2, Suite 101 Houston, PA 15342 Phone: (724) 746-5200 Fax: (724) 746-5503

CHAIN OF CUSTODY/FIELD DATA RECORD

3895

and Associates, in	Fax: (724) 746-5603									JU	7 0		
Project No.	Project Name:	1				Client Na	ame:						Sampled by:
	CNX GAS MI	Orris K	un SHA	アニア		Me	00DY	3					C.TAX/er
Lab No.	Sample Description (Property No. & Owner)	Date	Time	Sample Type	No. of Containers	Field Temp. (°C)	Field pH	Flow (vol/time) or SWL (ft)	Filtered? (Y/N)	Preserved? (Y/N)	Trealment?	Analysis Requested (Code)	Additional Parameters/Comments (Color, turbid, odor, etc.)
	Morris Run SHAFT	10/27	1100	G	4	_	7.46	-	1/	W	N		ETHYLENE GLYCOL
		0.0											Ca, ACIDITY, BG
													Strantium, BOD
													Phosphorus, Ammonia
,													TKN NITRATE-NITRITE
								Action State					Sulfate, Alkalivity
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Special Instr	ructions:			ļ	(10								
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Samule		COF Treatment?	<u>د</u> .			NA LILE	inkanana			888948			Total Manganese (Inventory wells = min.)
		B = Sample	ed before										rotal Manganese (Invertion) wells - min.) Hory streams, springs: discharges - min.)
	D = Discharge Water O = Other	A = Sample N = No trea				wc≡w	B + Hard	ness, Total Col individual para	dorm a	nd E-c			
	d by: (Company and Signature)	îSreC	A CONTRACTOR OF THE PROPERTY.	Date/T	ime:		Receive	d by: (Gompa			ature)	12/63	1915 Date/Time:
Relinquished	by: (Company and Signature)			Date/T	ime: -		Receive	d by: (Compa	- 1	-	ature)		Date/Time:
M	Me					1345	1/4	Ju 10/:	28/6	9		1345	
Relinquished	d by: (Company and Signature) ਪਿਸ਼ੇ 2 ਫੀਨ 1 152			Date/T	ime:			ed by: (Compa					Date/Time: 10-29-09
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Report of Analysis

Name:

Moody & Associates, Inc. (Houston Office)

Foxpointe Centre Building 2, Suite 101

199 Johnson Road

Houston, PA 15342

10/27/2009 11:00 AM 10/29/2009 9:39 AM

Receipt Date: Report Date:

Sample Start Date:

11/12/2009

ston Office) Sample ID#:

Sample Type:

09 31481 Waste Water

Sample Source:

Grab

Sampler:

CLIENT (Client)

Client Sample ID:

Morris Run Shaft

Analyte	Analyst	Analysis Date	Sample Result	Units	Method	RPL	
Acidity to pH=8.3	BF	11/04/2009	ND	mg/l as CaCO3	SM2310B	2	
Alkalinity to pH=4.5	JS	11/09/2009	937	mg/l as CaCO3	SM2320B	20	
Biological Oxygen Demand 05	SZC	11/02/2009	29.8	mg/l	SM5210B	2.0	
Ammonia as N / Distilled	AJD	11/06/2009	ND	mg/l	5M4500NH3B & D	0.97	
Kjeldahl Nitrogen as N	AJD	11/06/2009	ND	mg/l	SM4500Norg-C,D	0.5	
Phosphorus-Total (P)	AJD	10/29/2009	ND	mg/l	SM4500P-E	0.10	
Sulfate ASTM	LMB	11/05/2009	ND	mg/l	D516-02	5	
Total Nitrate + Nitrite as N	MAD	11/05/2009	ND	mg/l	SM4500NO3E	0.05	
Calcium - ICP	GJT	11/04/2009	117.112	mg/l	200.7/6010	0.500	
Strontium - ICP	GJT	11/04/2009	10.300	mg/I	200.7/6010	1.000	
Ethylene Glycol	AmerWe	11/10/2009	ND	mg/kg	300.0 M	5.000	

Comments:

Dilutions utilized for BOD analysis did NOT meet the laboratories acceptance criteria of at least 2 mg/L DO depletion (loss). Ethylene Glycol subcontracted to Metrohm-Peak

ND=Not Detected

Note:

DEP Certification #s 32-00382

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